

## **A high-fat diet impairs reproduction by decreasing the IL1 $\beta$ level in mice treated at immature stage**

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### **Supplementary Figure legend**

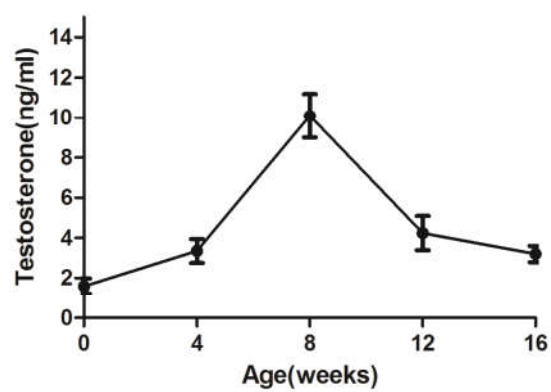
**Supplemental Figure S1.** Serum testosterone levels of control diet mice (n=10) in different ages.

**Supplemental Figure S2.** Correlation analysis on serum IL1 $\beta$  levels and the mRNA expression of STAR, P450SCC, P45017 $\alpha$ , 3- $\beta$ HSD and 17 $\beta$ -HSD in all experimental mice (n=40).

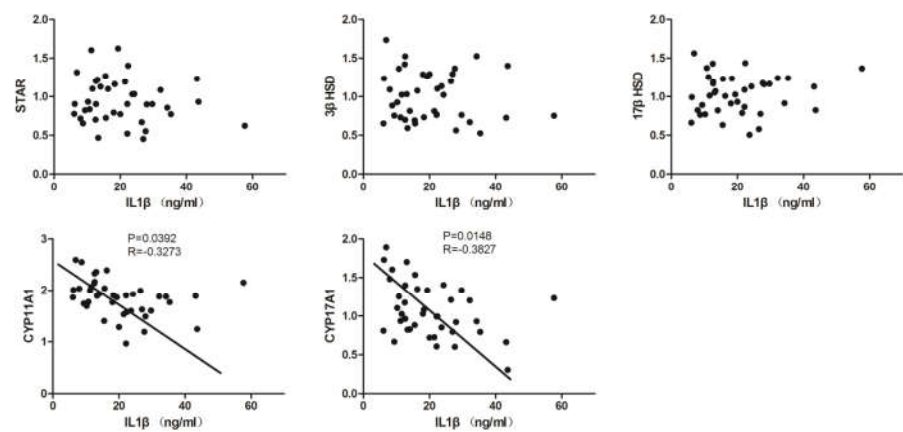
**Supplementary Figure S3.** Full-length blots for main figures corresponded to Fig. 3c and 3d.

**Supplementary Figure S4.** Full-length blots for main figures corresponded to Fig. 5j.

Supplementary Figure S1.



Supplementary Figure S2.



Supplementary Figure S3.

Figure 3c

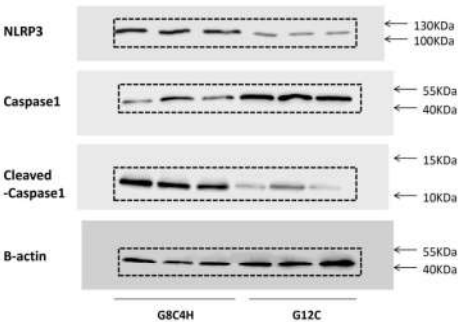
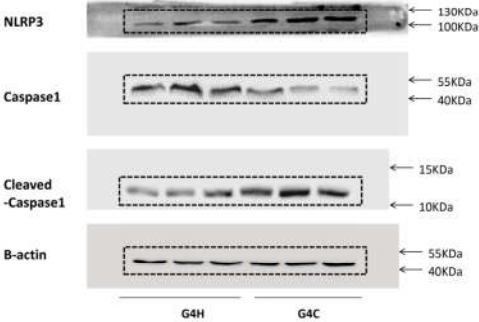


Figure 3d



Supplementary Figure S4.

